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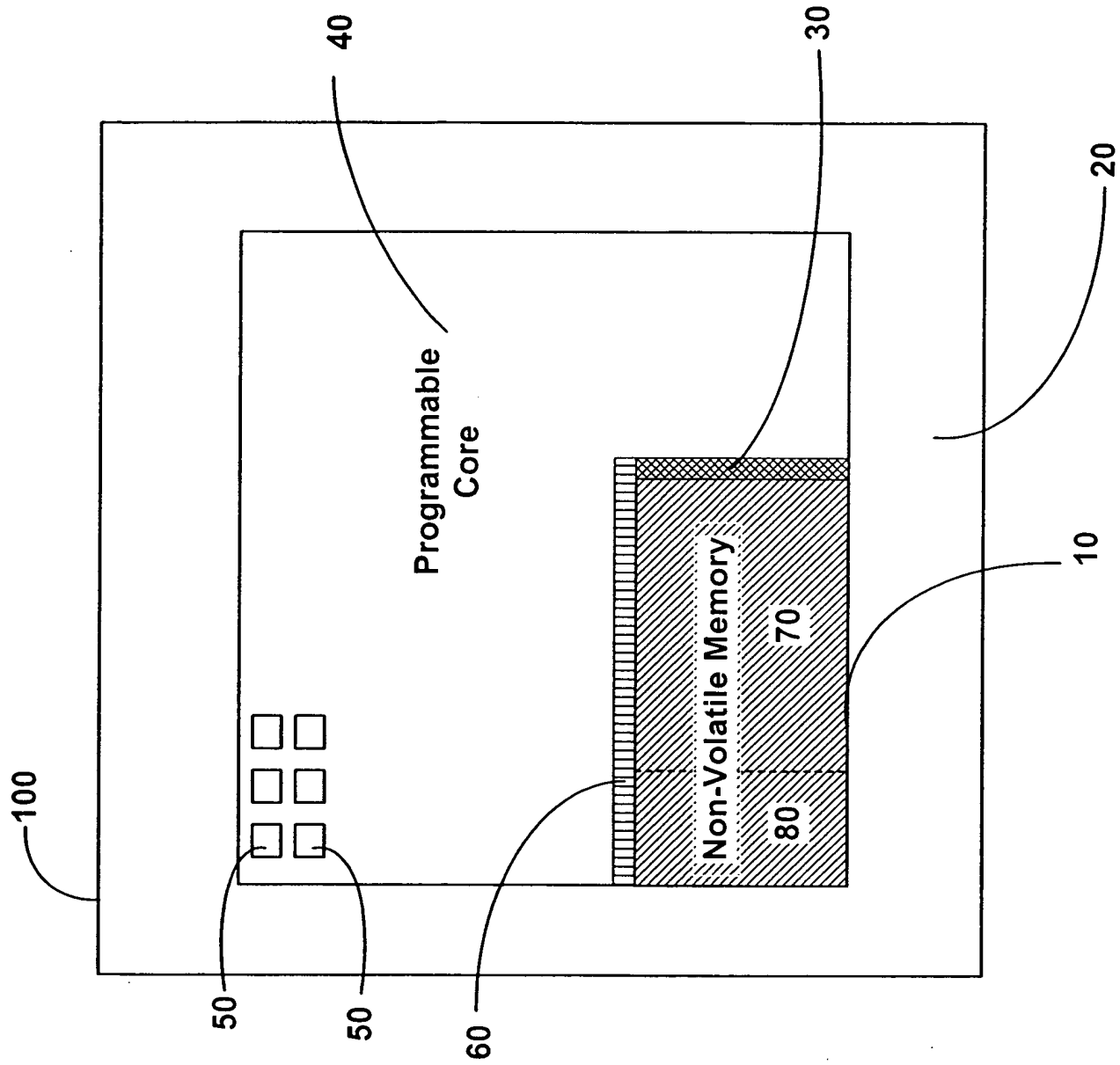


FIG. 1

for

my\_unvm

altunvm\_spi

si sock ncs so

What is the interface protocol?

☒ None ☐ Altera proprietary 3-wire ☐ Atmel 3-wire compatible

☐ Parallel ☐ I2C (Internal Usage) ☒ Synchronous Serial Peripheral Interface (SPI)

Which type of UNVM is intended to be used?

☐ 2048-bit version ☒ 4096-bit version

What is the memory configuration for the interface protocol?

☐ 1 Kbits: 64 x 16 ☐ 2 Kbits: 128 x 16 ☒ 4 Kbits: 256 x 16

☐ 1 Kbits: 128 x 8 ☒ 2 Kbits: 256 x 8

What is the mode for UNVM?

☒ Read / Write ☐ Read Only

What is the size of Page Write?

☐ 8 bytes ☐ 16 bytes ☒ 32 bytes

Cancel < Back Next > Finish

210 210 210 220 230 240 250 260 270 270 270 270

FIG 2

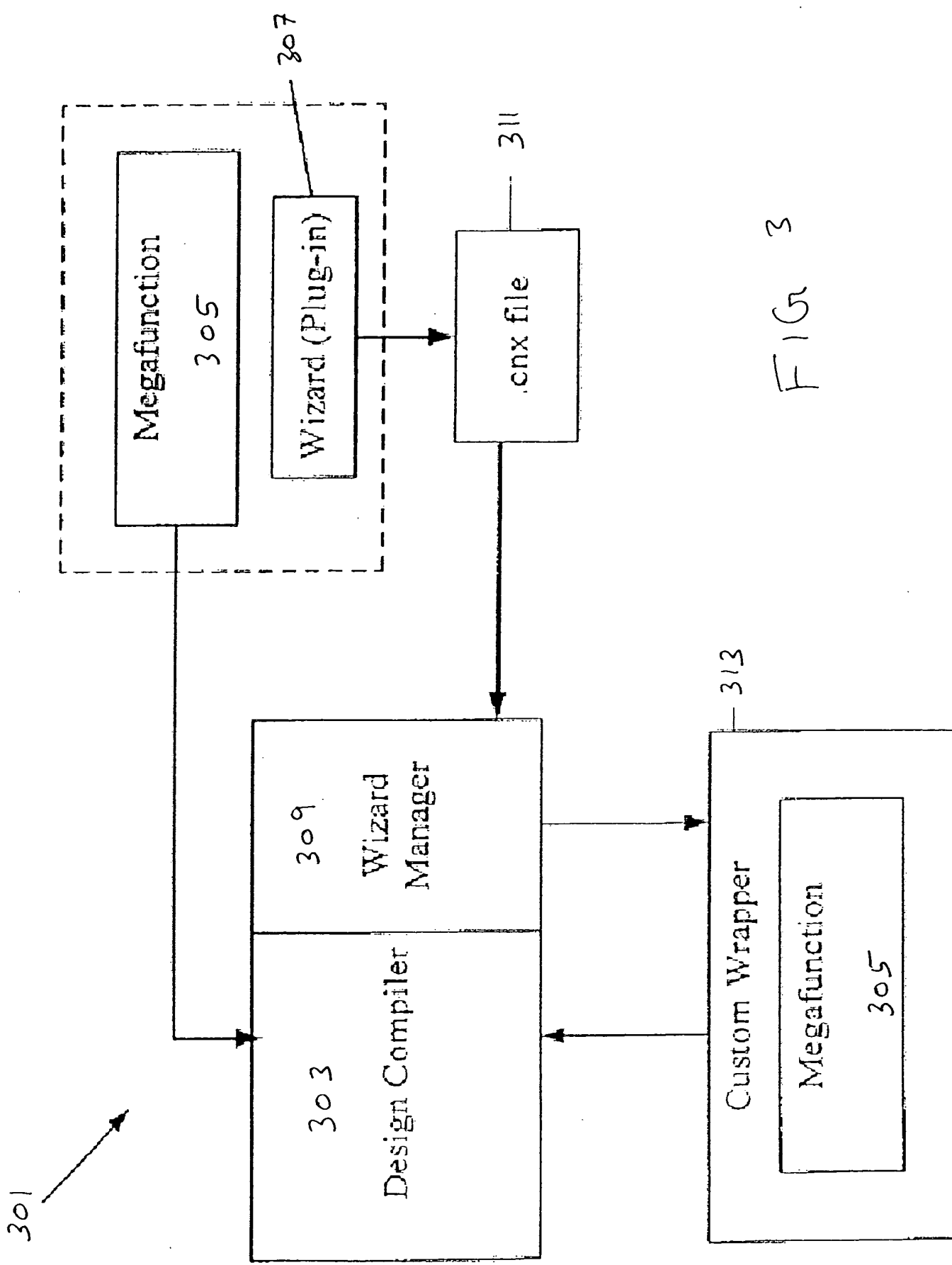
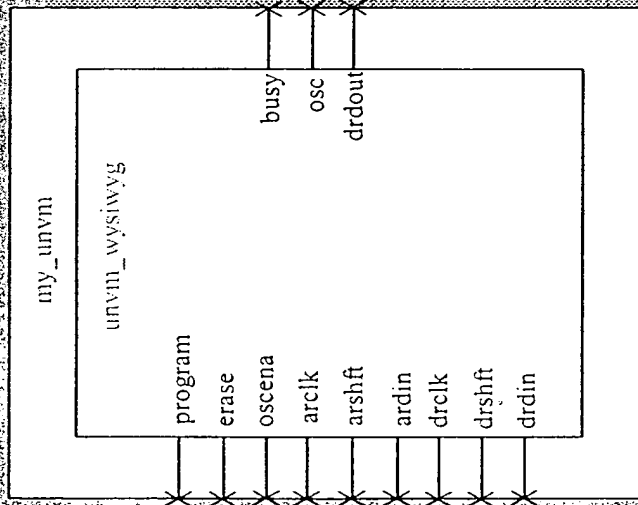


FIG. 3



What is the interface protocol?

- ☒ None  
☐ Altera proprietary 3-wire  
☐ Parallel  
☐ Altera 3-wire compatible  
☐ I<sup>2</sup>C (Internal Usage)  
☐ Synchronous Serial Peripheral Interface (SPI)

Which type of UNVM is intended to be used?

- ☒ 2048-bit version  
☐ 4096-bit version

What is the memory configuration for the interface protocol?

- ☐ 1 Kbits: 64 x 16  
☐ 2 Kbits: 128 x 16  
☒ 4 Kbits: 256 x 16  
☐ 1 Kbits: 128 x 8  
☐ 2 Kbits: 256 x 8

What is the mode for UNVM?

- ☒ Read/Write  
☐ Read Only

What is the size of Page Write?

- ☐ 8 bytes  
☐ 16 bytes  
☒ 32 bytes

Cancel

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Next >

Finish

FIG. 4

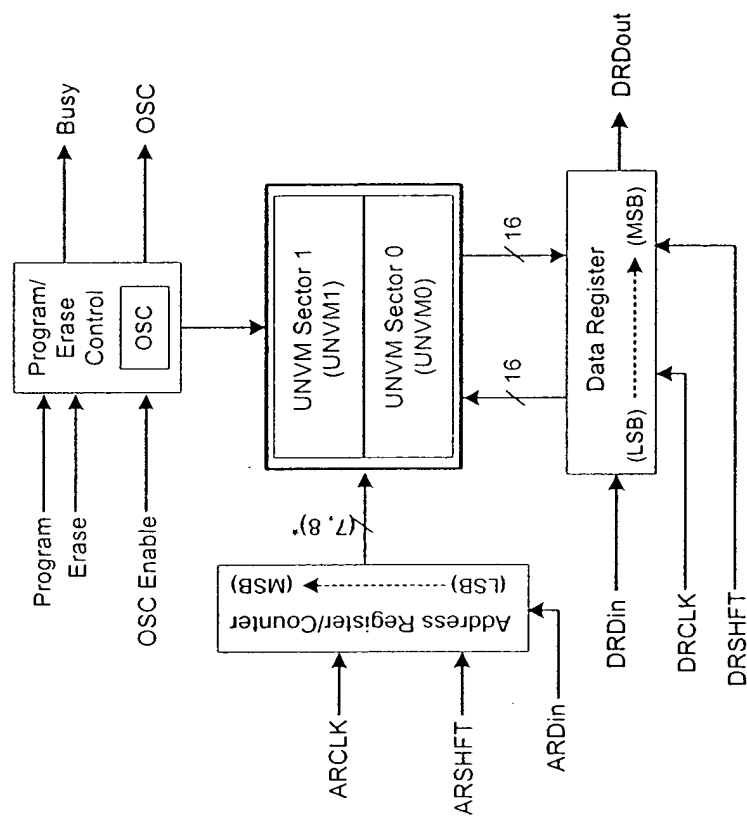
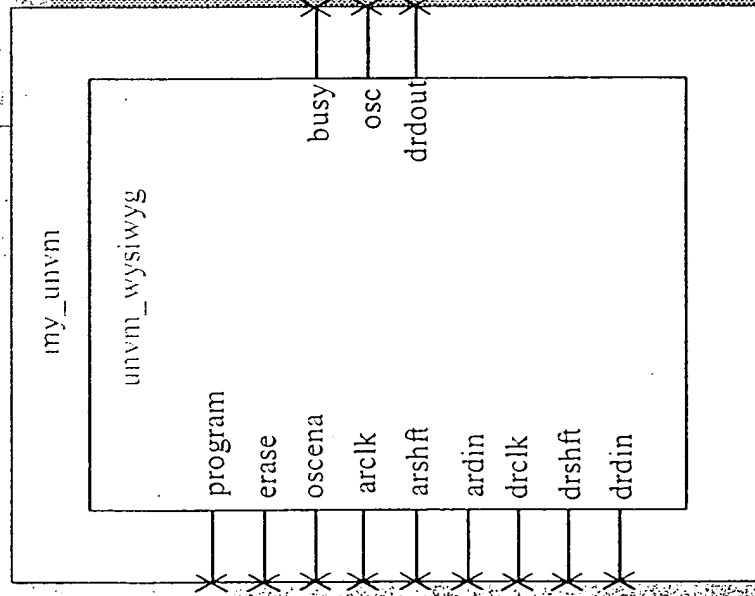


FIG. 5



Do you want to specify the initial content of the memory?

☒ No, leave it blank

☐ Yes, use this file for the memory content data  
(You can use a Hexadecimal (Intel Format) File (.hex) or a Memory Initialization File (.mif))

File name:

Browse

What is the address value for I/O interface?

Device Address

1 0 1 0 1 0 1 0

Cancel

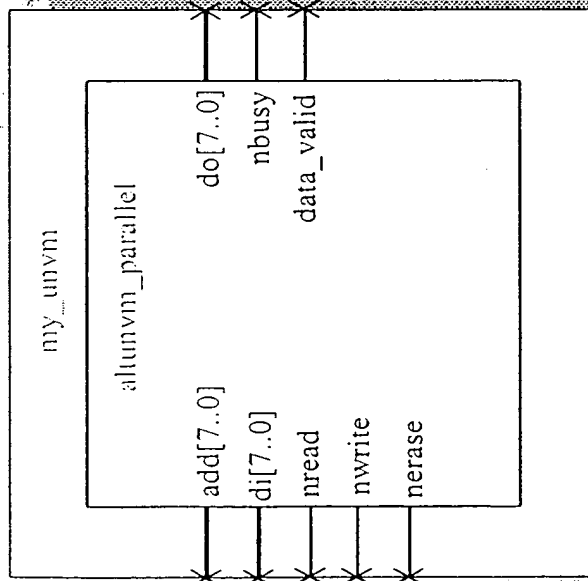
< Back

Next >

Finish

FIG. 6

i/o



What is the interface protocol?

- ☐ None  
☒ Parallel  
☐ I2C (Internal Usage)  
☐ Synchronous Serial Peripheral Interface (SPI)

- ☐ Altera proprietary 3-wire  
☐ Atmel 3-wire compatible

Which type of UNVM is intended to be used?

- ☒ 2048-bit version  
☐ 4096-bit version

What is the memory configuration for the interface protocol?

- ☒ 1 Kbits, 64 x 16  
☐ 2 Kbits, 128 x 16  
☒ 1 Kbits, 128 x 8  
☐ 2 Kbits, 256 x 8

What is the mode for UNVM?

- ☒ Read / Write  
☐ Read Only

What is the size of Page Write?

- ☐ 8 bytes  
☒ 16 bytes  
☐ 32 bytes

Cancel

&lt; Back

Next &gt;

Finish

Fig. 7



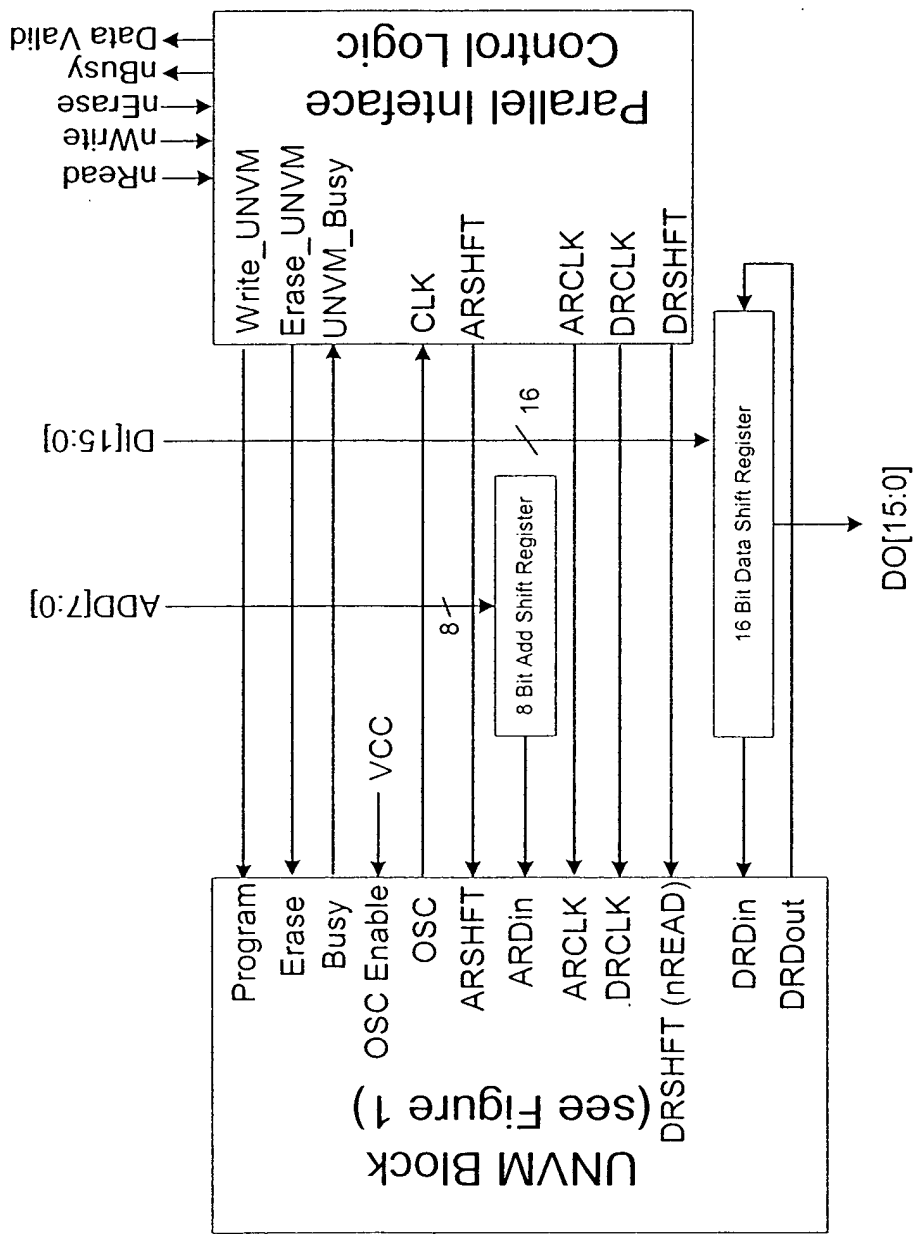


Fig. 8

910 5

MegaWizard Plug-In Manager - altunvm [page 5 of 6]

my\_uuvm

altunvm\_parallel

add[7..0]

di[7..0]

nread

nwrite

nerase

do[7..0]

nbusy

data\_valid

What is the name of the file containing the memory initialization data?

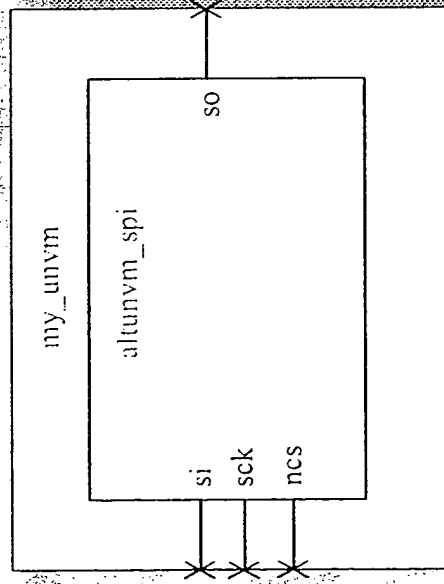
(You can use a Hexadecimal (Intel Format) File (.hex) or a Memory Initialization File (.mif).)

File name:

What is the address value for the interface?

Device Address: 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0

Fig. 9



What is the interface protocol ?

- ☐ None ☐ Altera proprietary 3-wire  
☐ Parallel ☐ Atmel 3-wire compatible  
☐ I<sup>2</sup>C (Internal Usage)

☒ Synchronous Serial Peripheral Interface (SPI)

Which type of UNVM is intended to be used ?

- ☐ 2048-bit version ☒ 4096-bit version

What is the memory configuration for the interface protocol ?

- ☐ 1 Kbits: 64 x 16 ☐ 2 Kbits: 128 x 16 ☒ 4 Kbits: 256 x 16  
☐ 1 Kbits: 128 x 8 ☒ 2 Kbits: 256 x 8

What is the mode for UNVM ?

- ☒ Read / Write ☐ Read Only

What is the size of Page Write ?

- ☐ 8 bytes ☐ 16 bytes ☒ 32 bytes

Cancel

< Back

Next >

Finish

FIG. 10

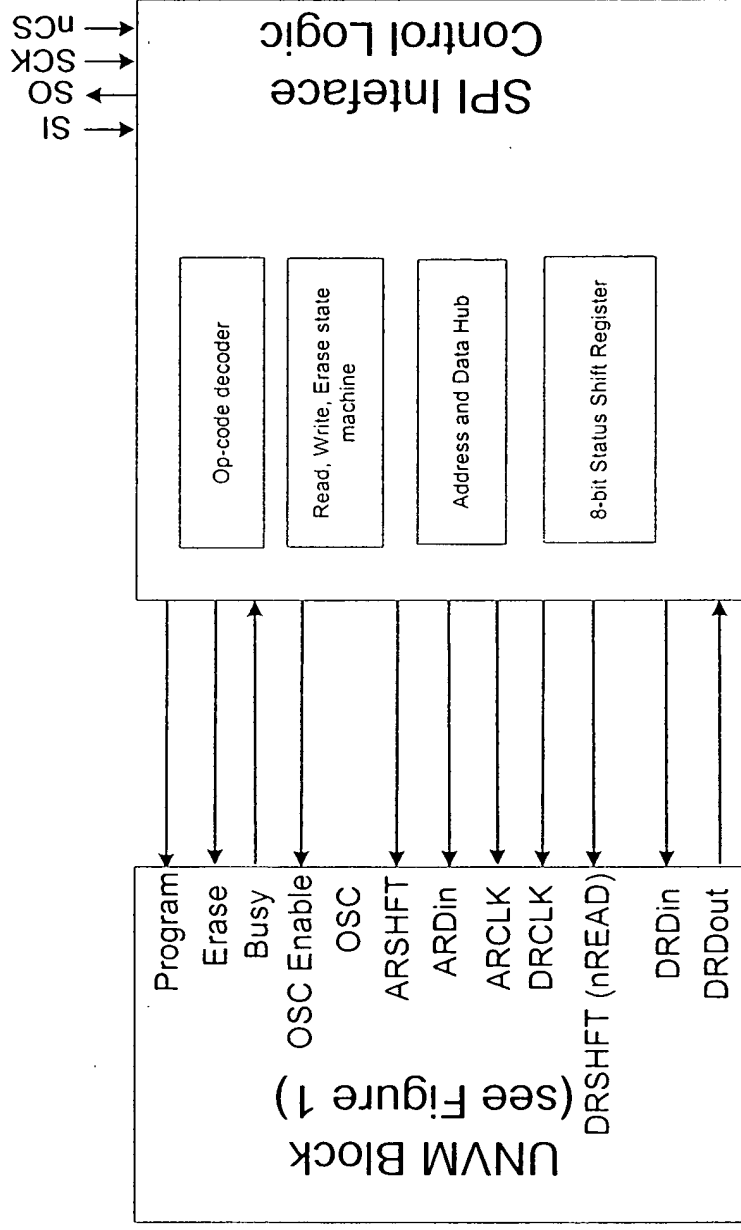


FIG. 11

What is the interface protocol ?

☐ None  
☐ Altera proprietary 3-wire  
☐ Parallel  
☒ I<sup>2</sup>C (Internal Usage)  
☐ Synchronous Serial Peripheral Interface (SPI)

Which type of UNVM is intended to be used ?

☒ 2048-bit version  
☐ 4096-bit version

What is the memory configuration for the interface protocol ?

☐ 1 Kbits: 64 x 16  
☒ 2 Kbits: 128 x 16  
☐ 4 Kbits: 256 x 16  
☒ 1 Kbits: 128 x 8  
☐ 2 Kbits: 256 x 8

What is the mode for UNVM ?

☒ Read / Write  
☐ Read Only

What is the size of Page Write ?

☒ 8 bytes  
☐ 16 bytes  
☐ 32 bytes

Cancel < Back Next > Finish

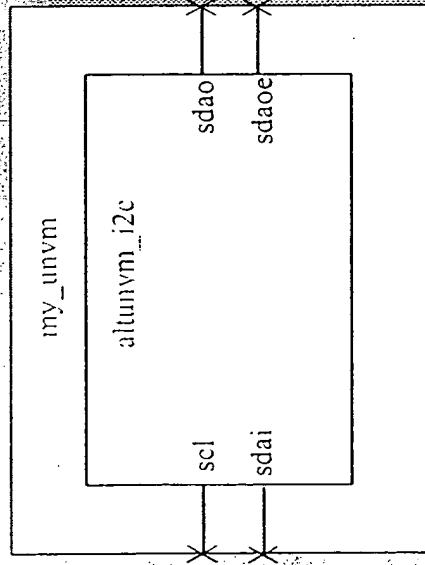


Fig 12

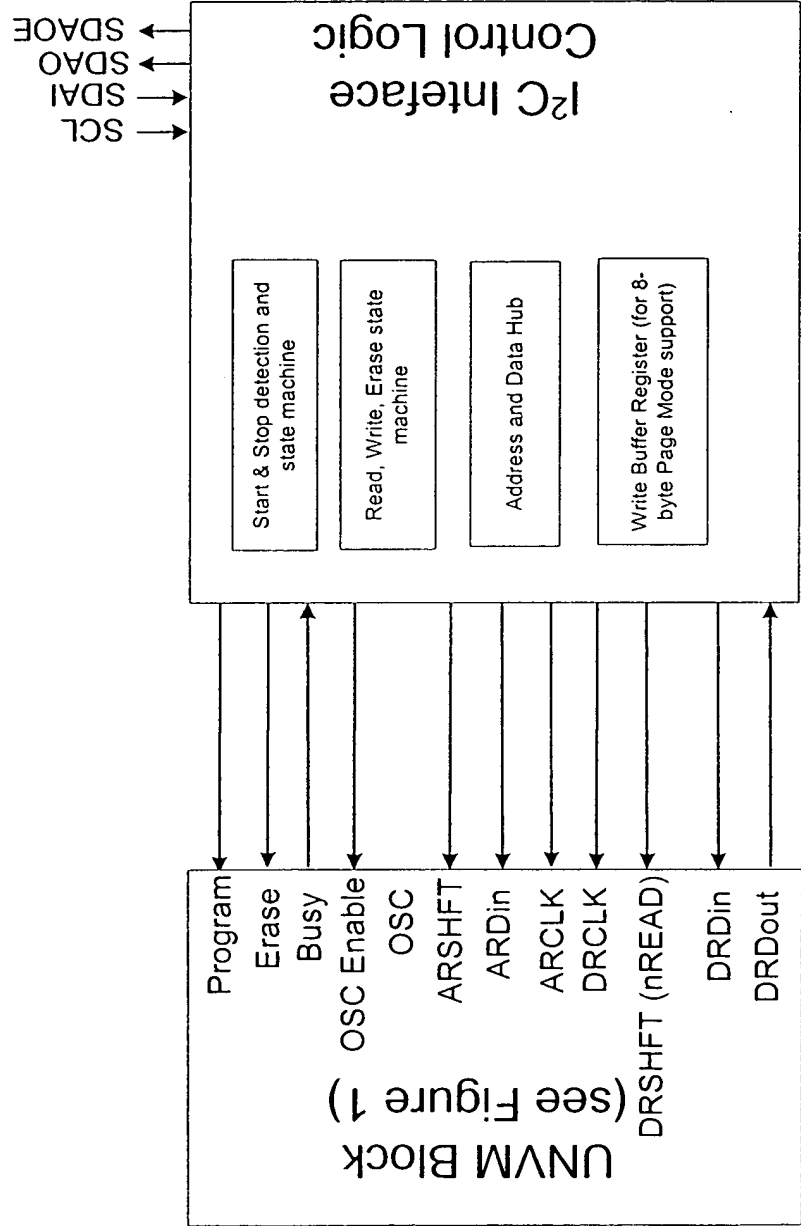


FIG. 13

1401  
S

MegaWizard Plug-In Manager - altunvm [page 4 of 6]

my\_unvm

altunvm\_i2c\_int

scl sda

sdao sdae

Do you want to specify the initial content of the memory?

☒ No, leave it blank

☐ Yes, use this file for the memory content data

(You can use a Hexadecimal (Intel Format) File (.hex) or a Memory Initialization File (.mif))

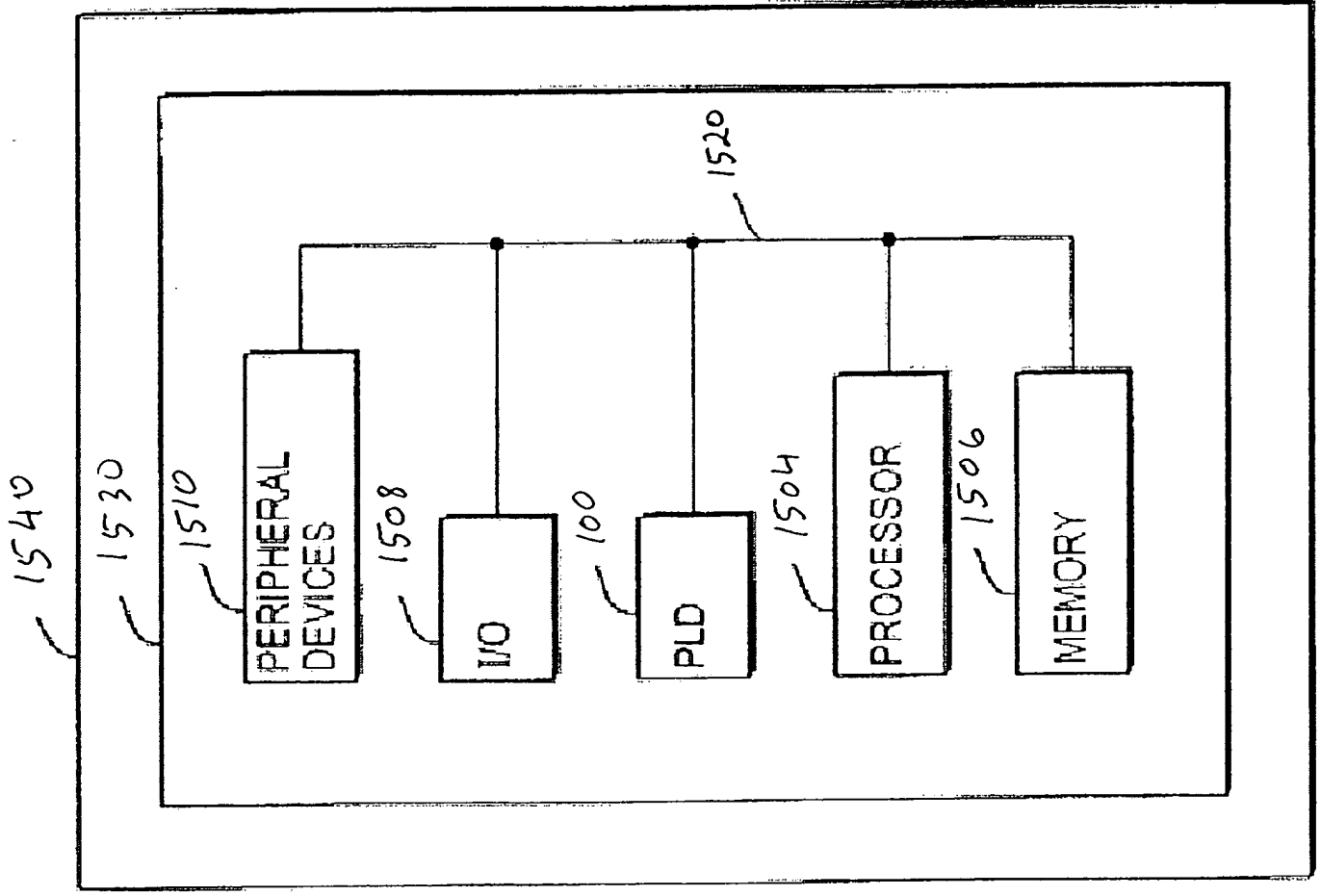
File name:  Browse...

What is the address value for I2C interface?

Device Address: 0 0 1 0 0 0 0 0

Cancel < Back Next > Finish

Fig. 14



1502  
↙

FIG. 15